

PANEL 3.2

PROBLEM-ORIENTED POLICING

Using Problem-Oriented Policing to Reduce Sexual Assaults

André B. Rosay and Robert H. Langworthy
University of Alaska Anchorage

New Old Trends in Local Crime Prevention in Slovenia

Gorazd Meško, University of Maribor

Liquor License Density and Crime: A Spurious Correlation

William Lugo, University of Sioux Falls

Using Problem-Oriented Policing to Reduce Sexual Assaults

André B. Rosay and Robert H. Langworthy

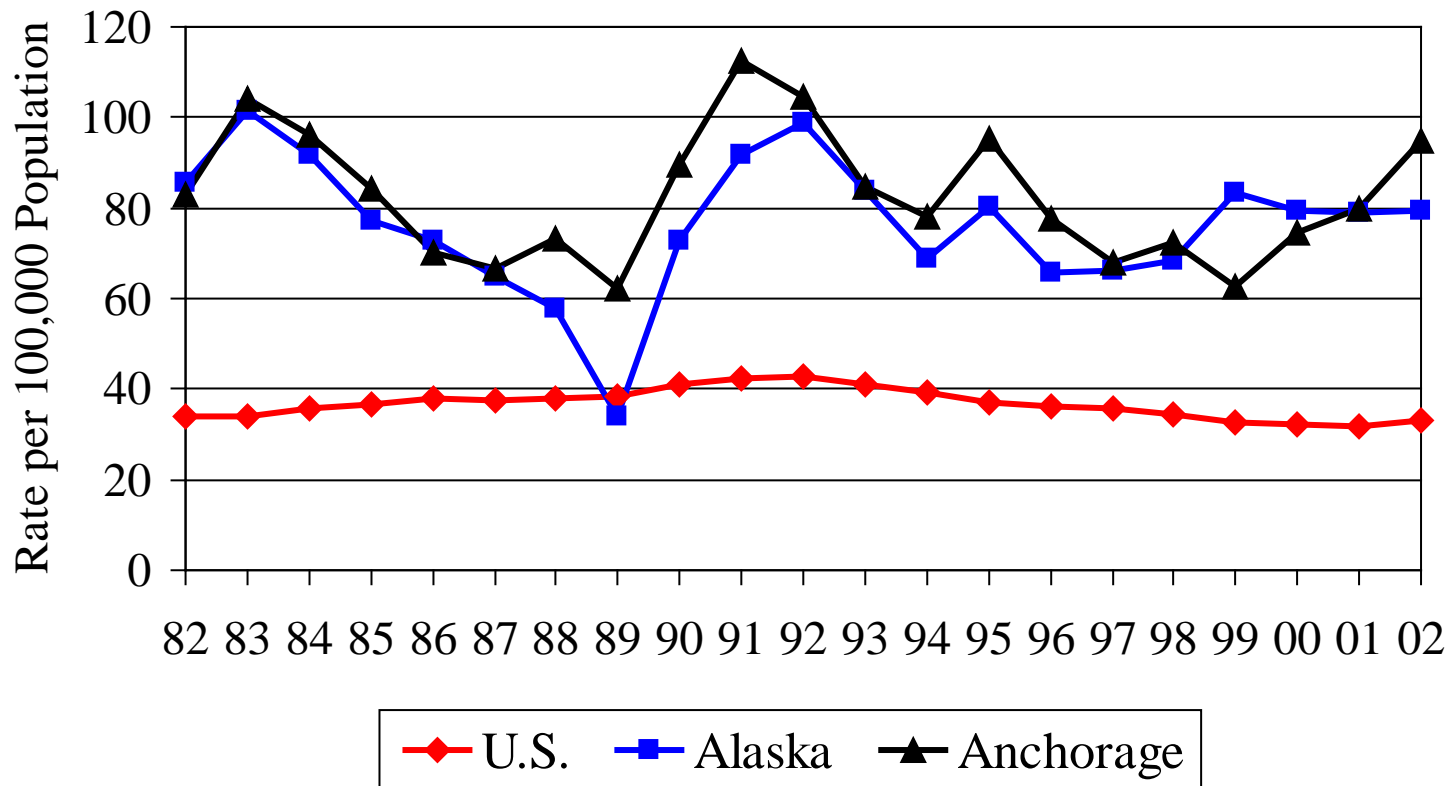
Justice Center, University of Alaska



This research was supported by Grant No. 2000-RH-CX-K039 awarded by the Bureau of Justice Statistics and by a UAA Faculty Development Grant.

We thank the Anchorage Police Department for their assistance.

Rates of Forcible Rape in U.S., Alaska, and Anchorage



Source: Crime in the United States, 1982 to 2002

Descriptive Analysis of Sexual Assaults in Anchorage

- 541 police reports of sexual assaults in 2000 and 2001
- Collected over 200 variables
- Includes detailed information on incidents, suspects, and victims
- Report available at <http://www.uaa.alaska.edu/just>

Problem-Oriented Policing

- **SCANNING**

Group incidents into clusters or hot spots

- **ANALYSIS**

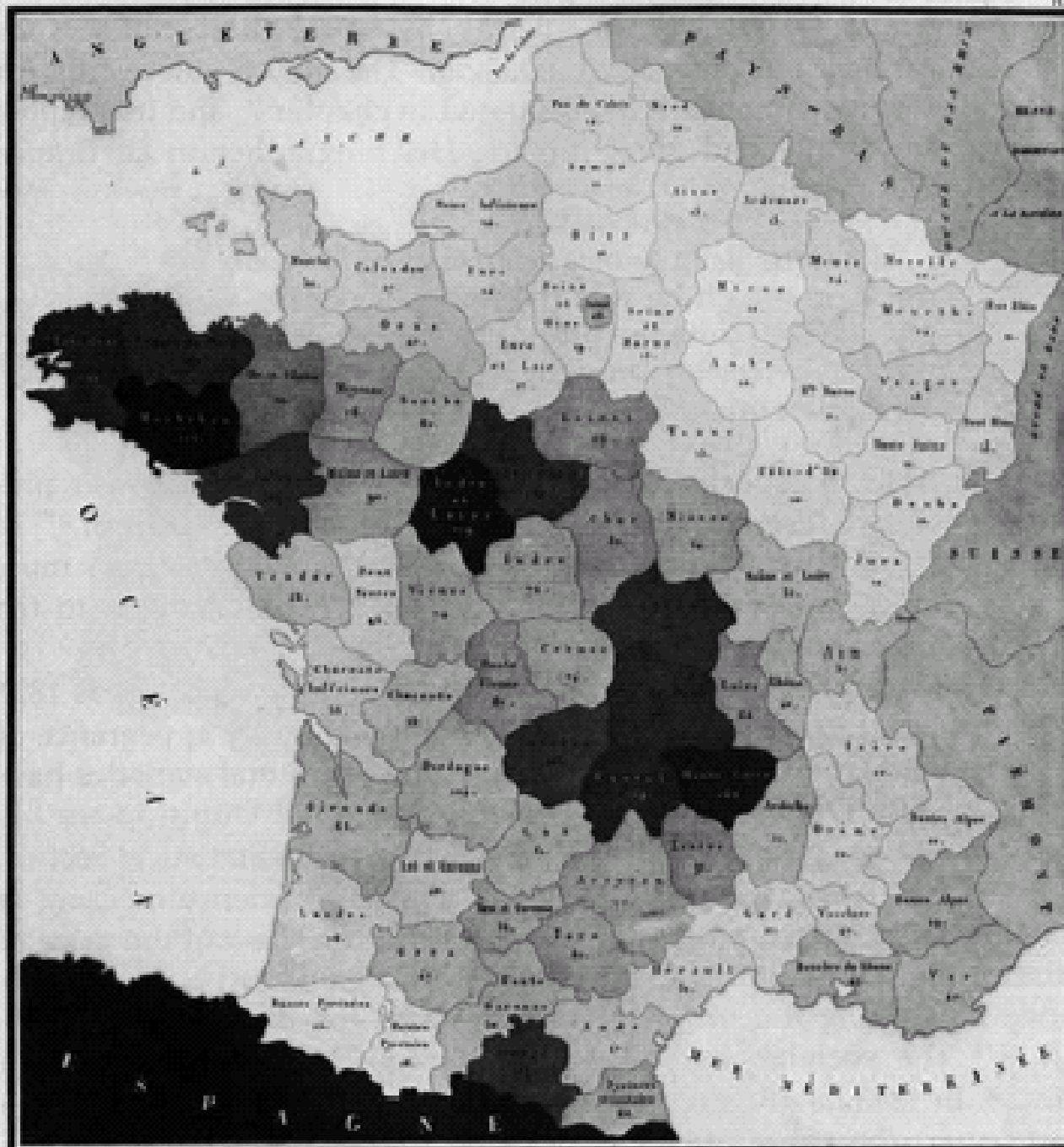
Identify characteristics and underlying causes

- **RESPONSE**

Devise and implement a solution

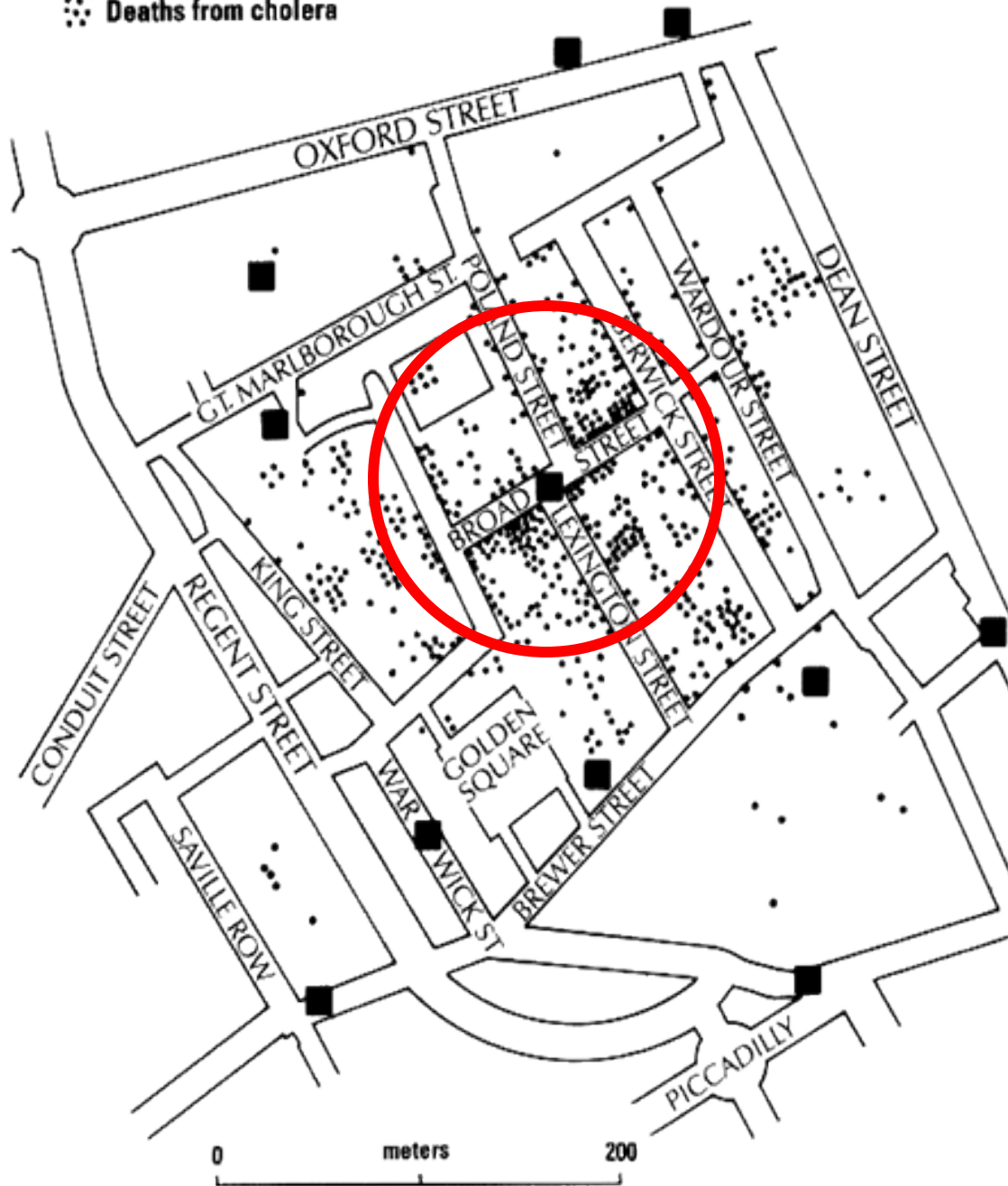
- **ASSESSMENT**

Evaluate the efficacy of solution(s)

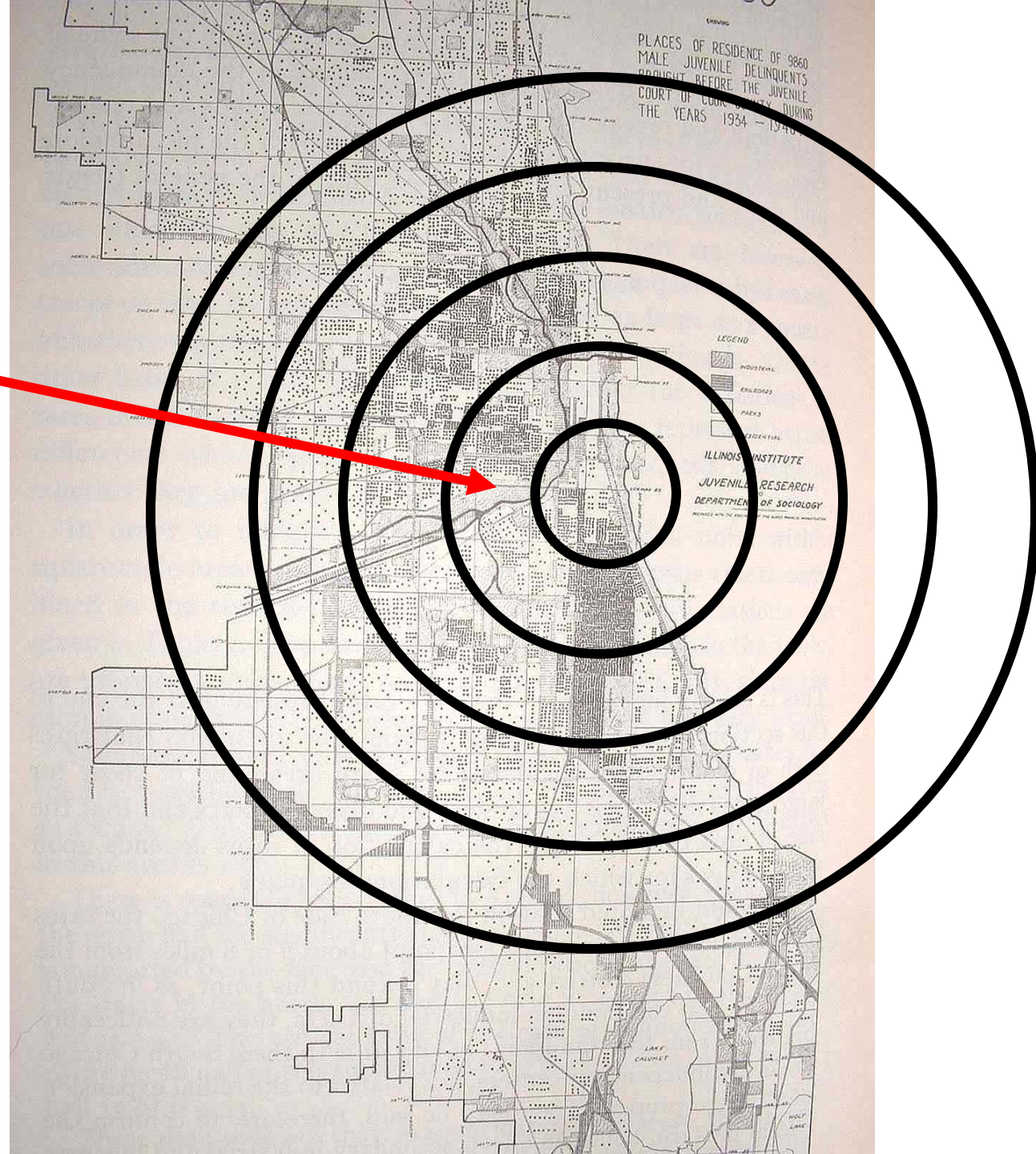


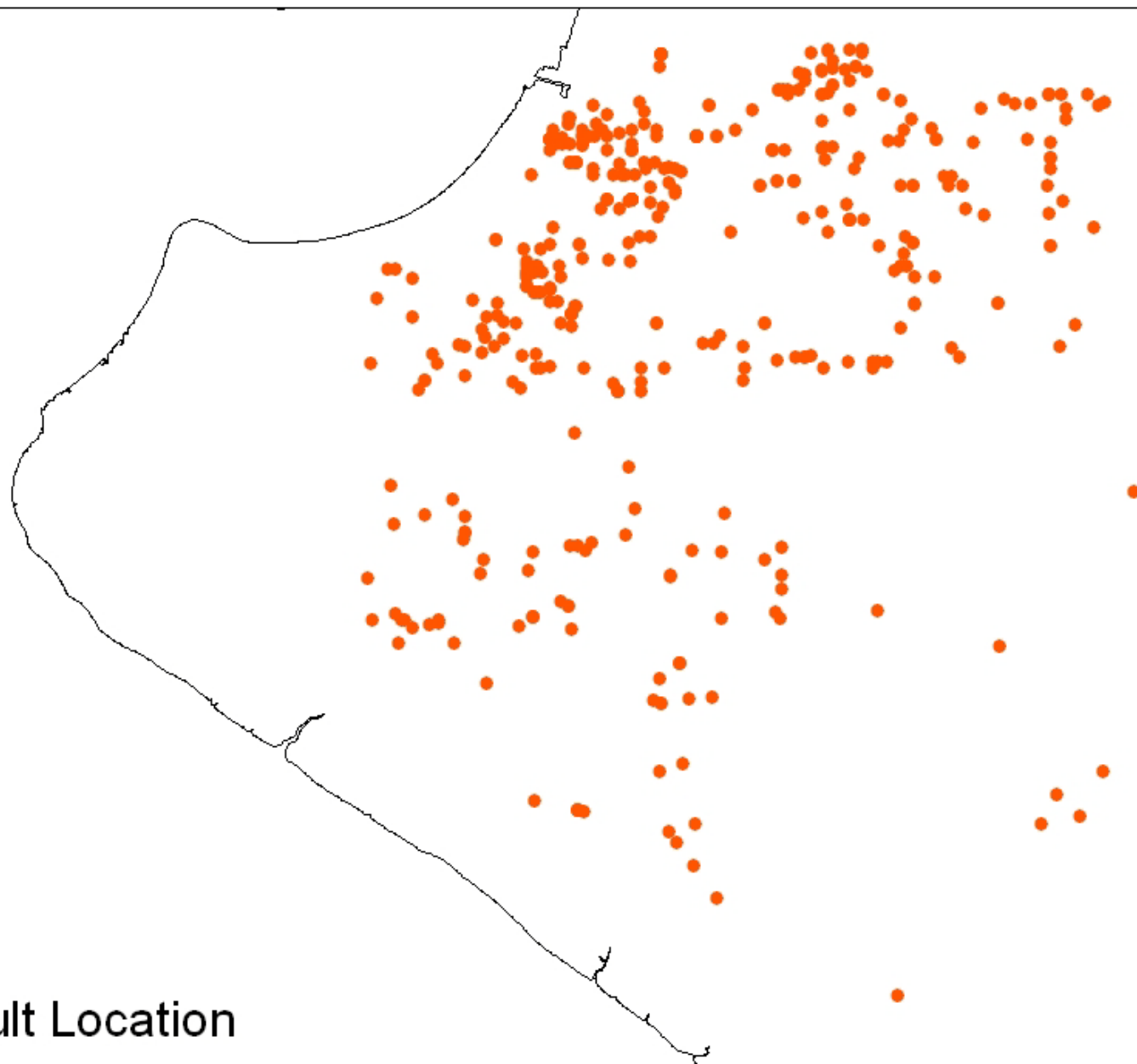
■ Pump sites

••• Deaths from cholera



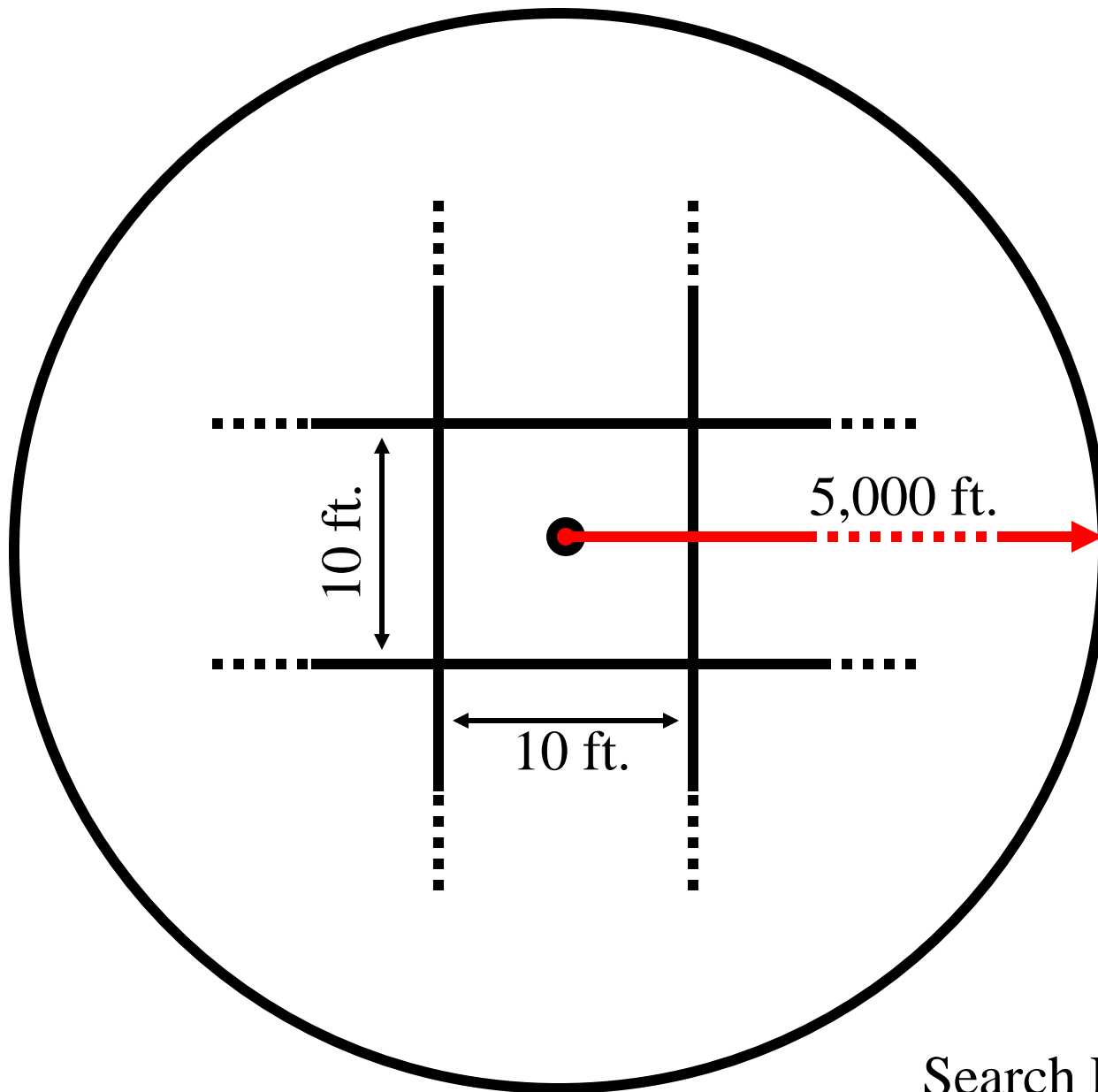
Zone of
Transition





Legend

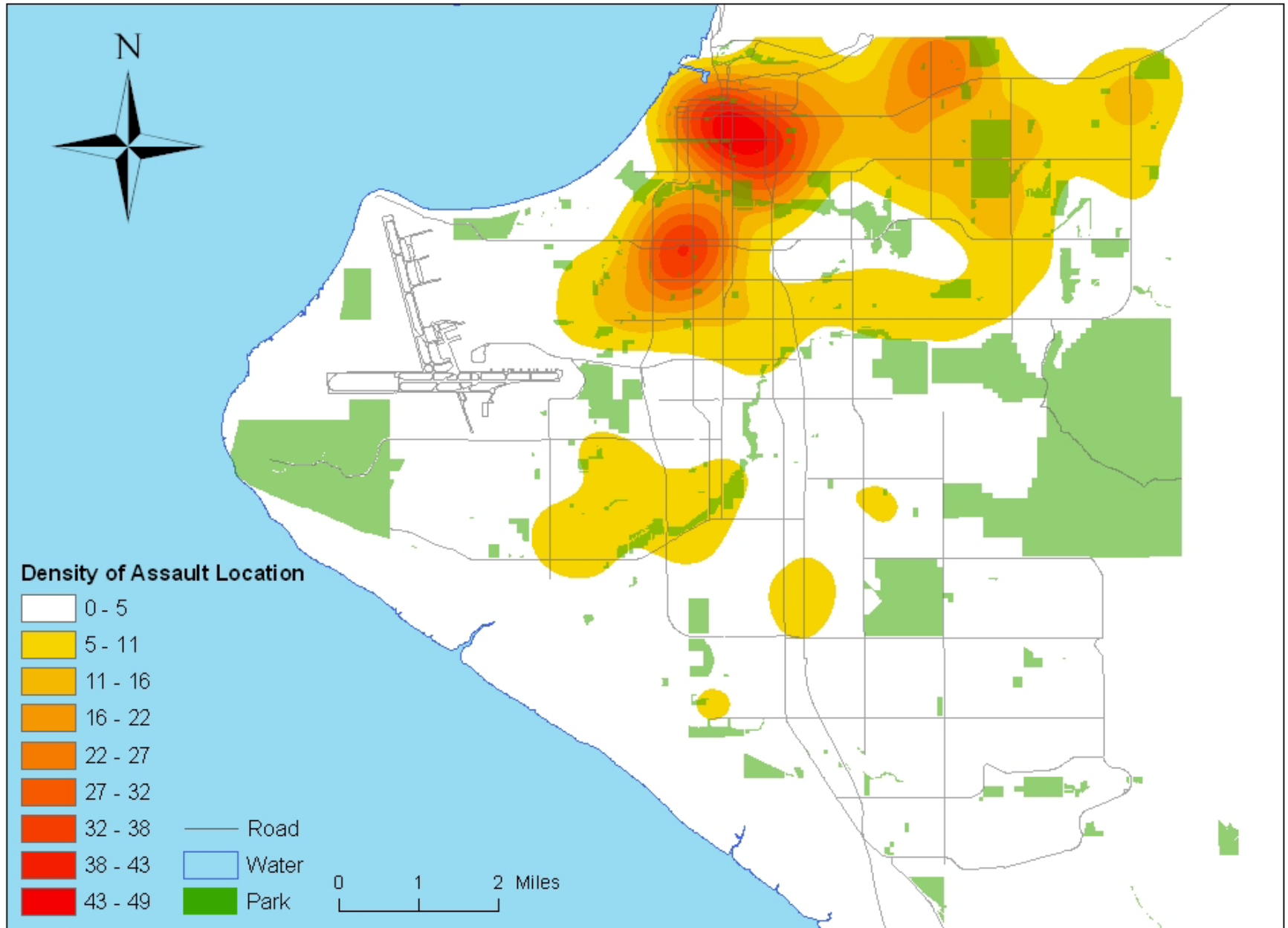
- Assault Location



Cell Size = 10 ft.

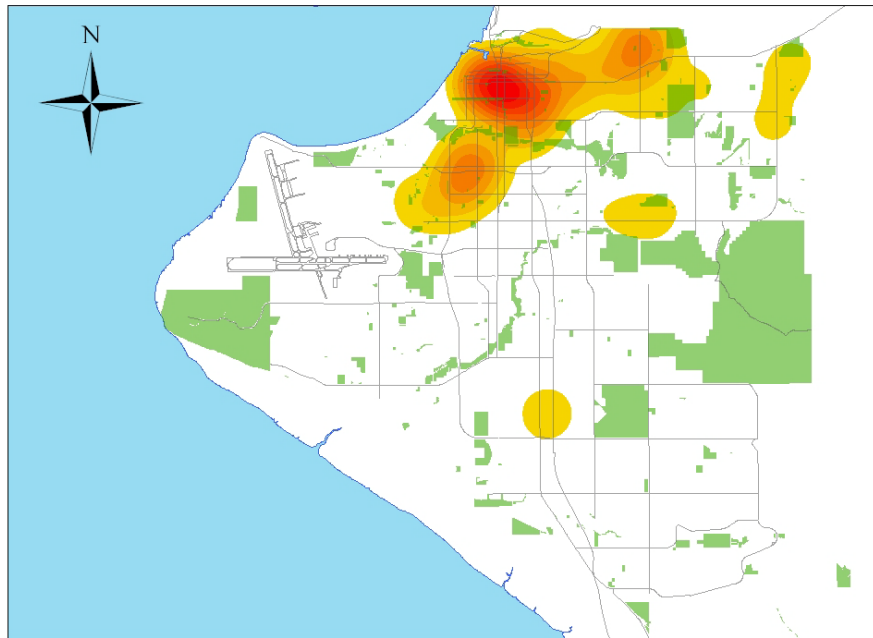
Search Radius = 5,000 ft.

Density of Sexual Assault Locations in Anchorage: 2000-2001



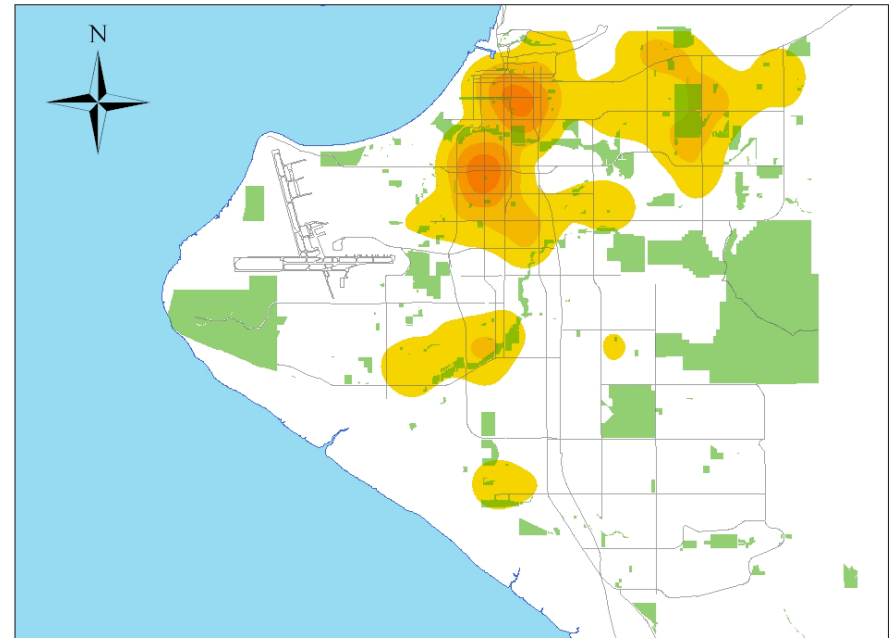
Sexual Assault Densities by Race

NATIVE

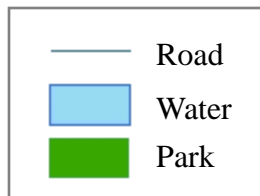


N=179

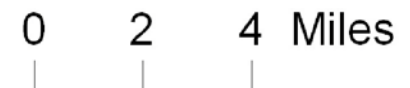
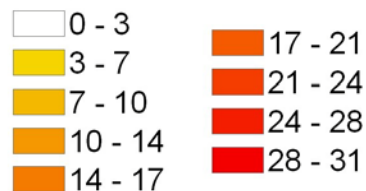
WHITE



N=191



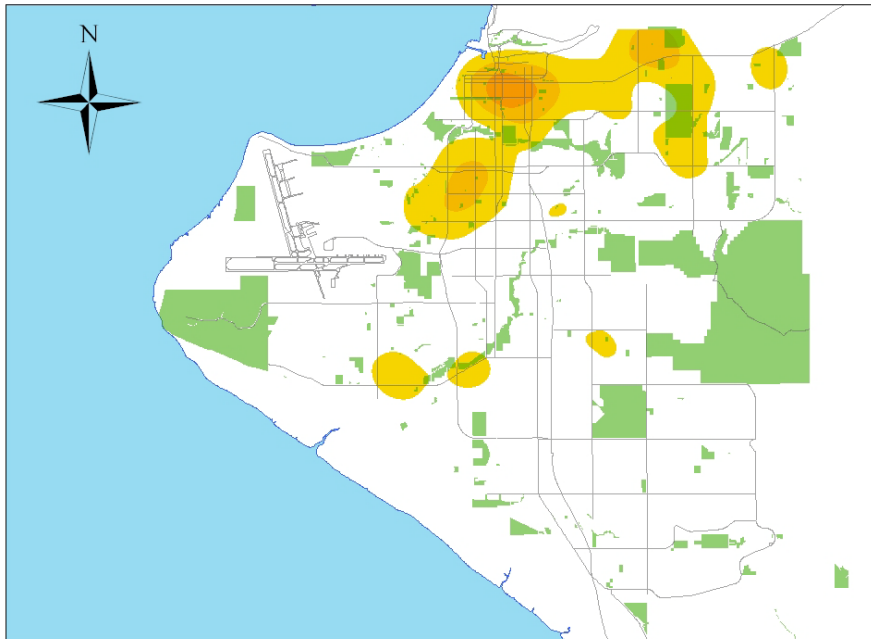
Density of Assault Locations



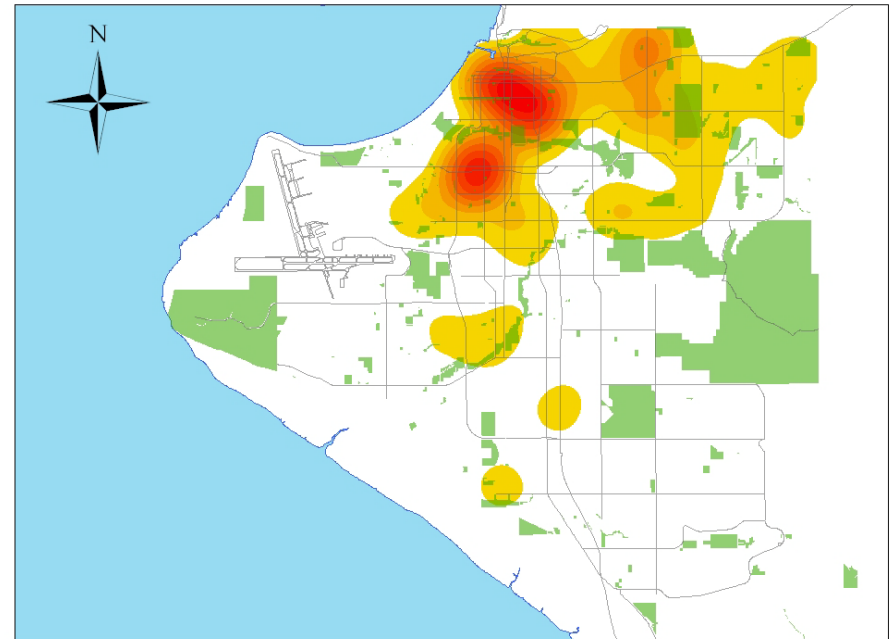
Sexual Assault Densities by Age

LESS THAN 21

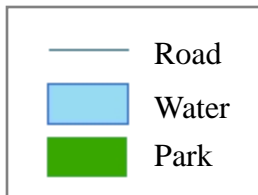
21 OR MORE



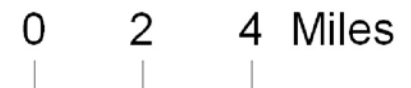
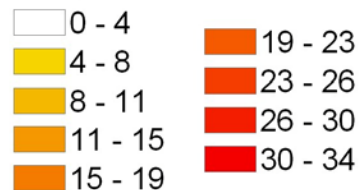
N=140



N=275

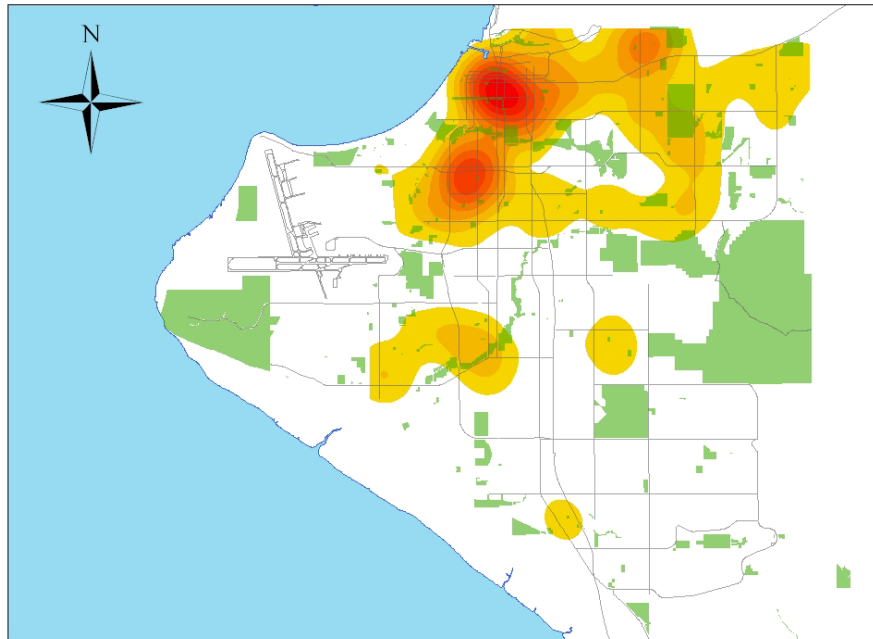


Density of Assault Locations



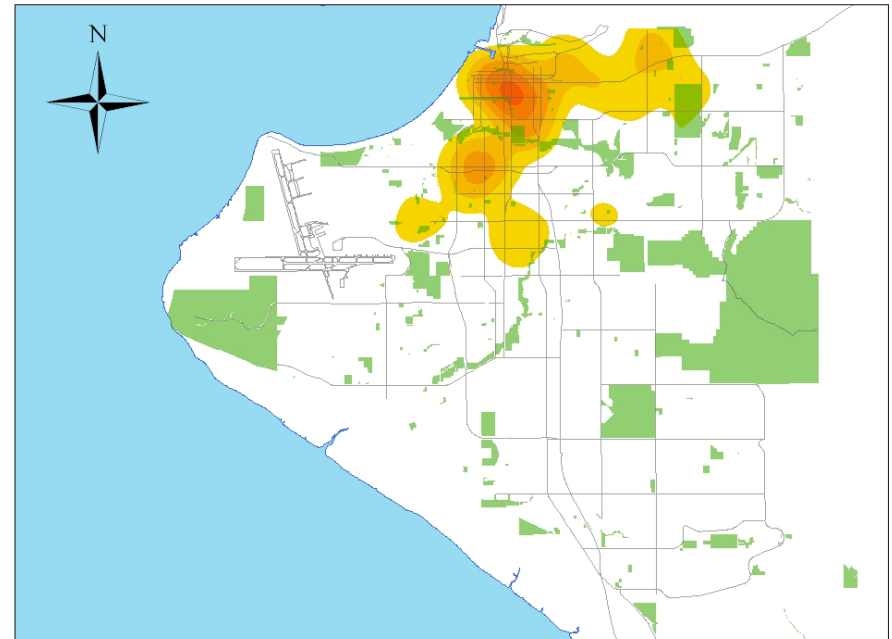
Sexual Assault Densities by Relationship

NON-STRANGER

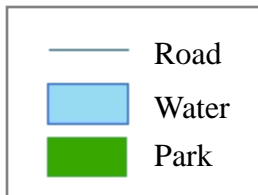


N=143

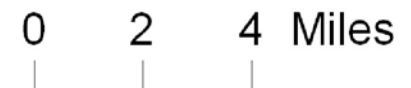
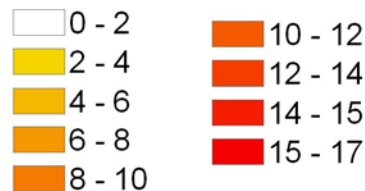
STRANGER



N=68

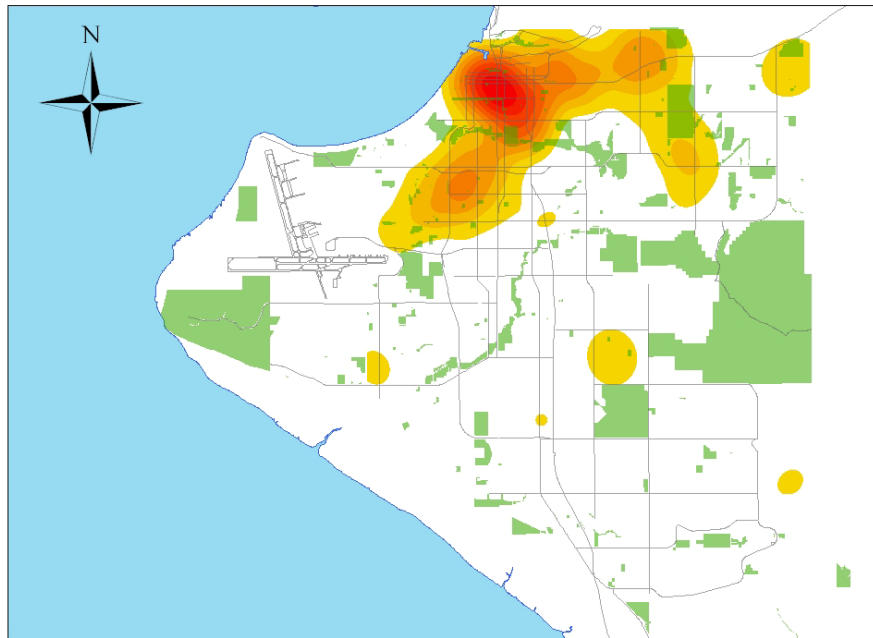


Density of Assault Locations



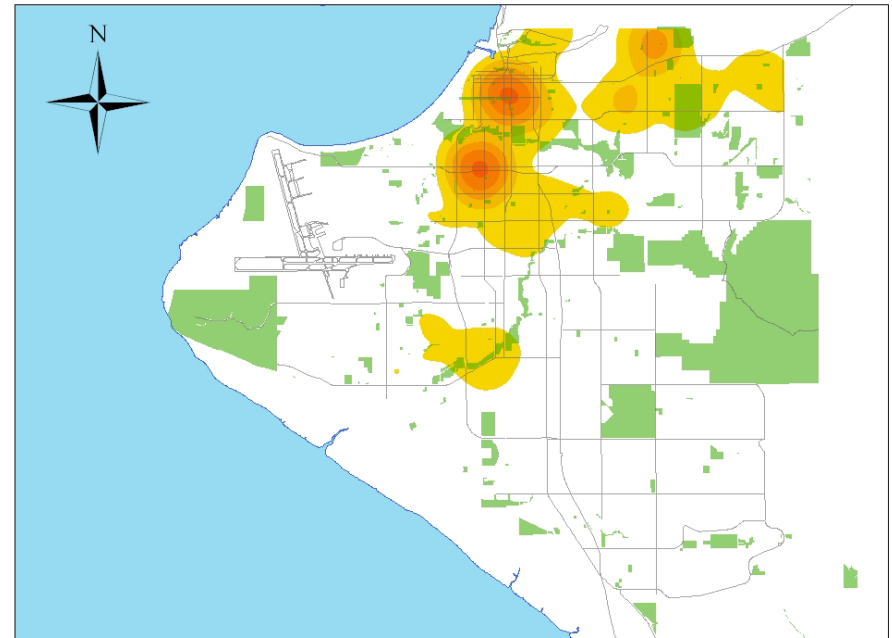
Sexual Assault Densities by Alcohol Use

ALCOHOL

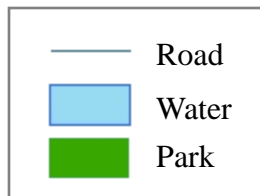


N=118

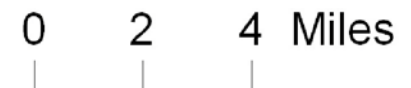
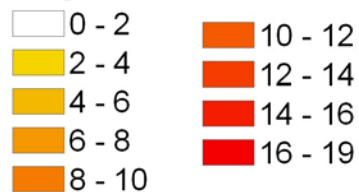
NO ALCOHOL



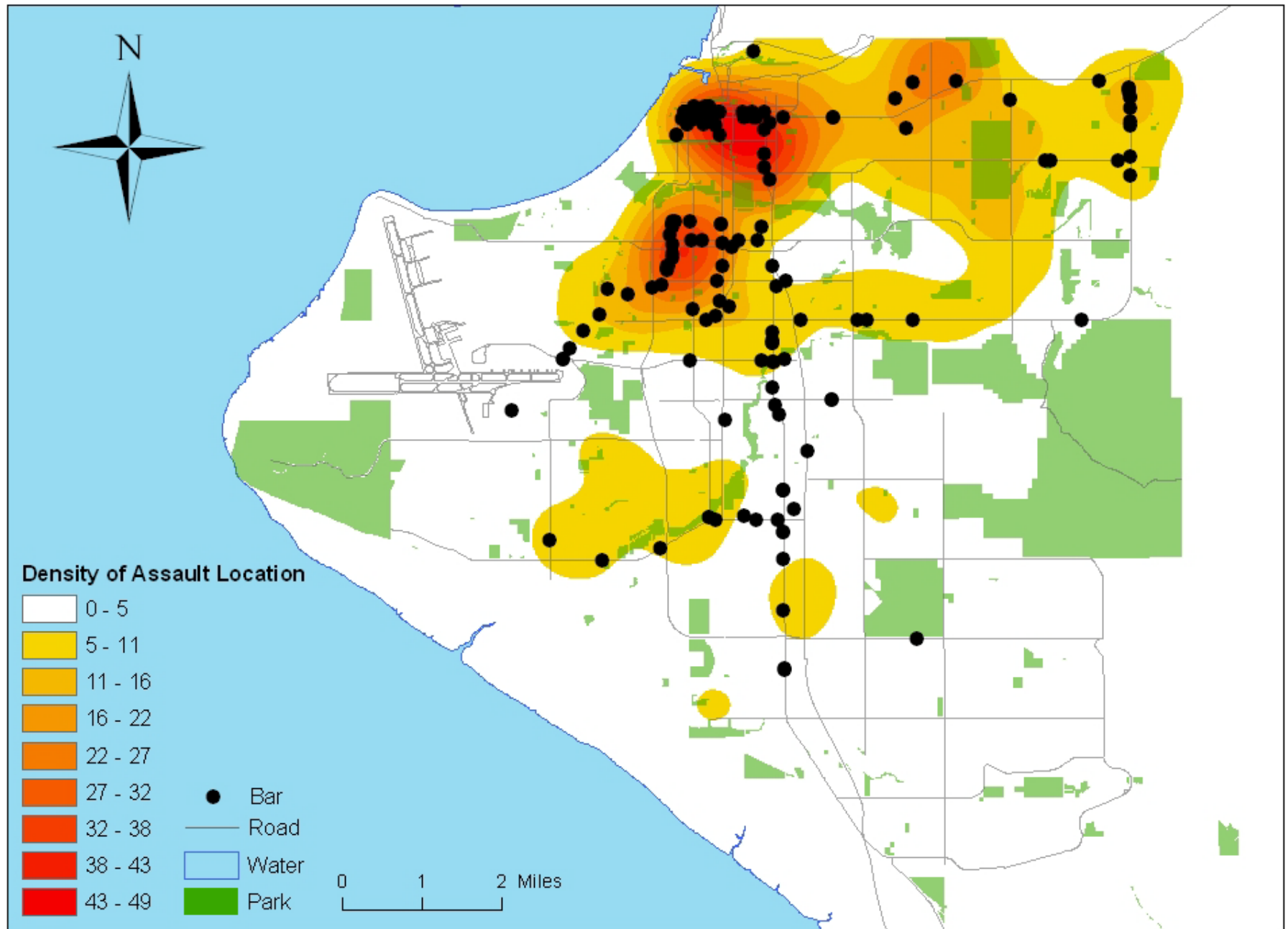
N=90



Density of Assault Locations

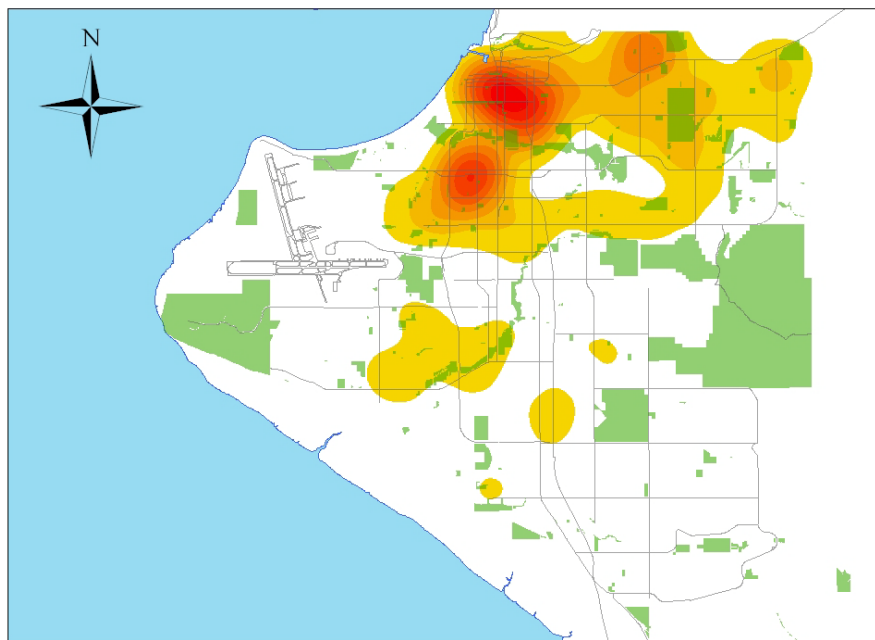


Sexual Assault Densities and Bar Locations in Anchorage: 2000-2001



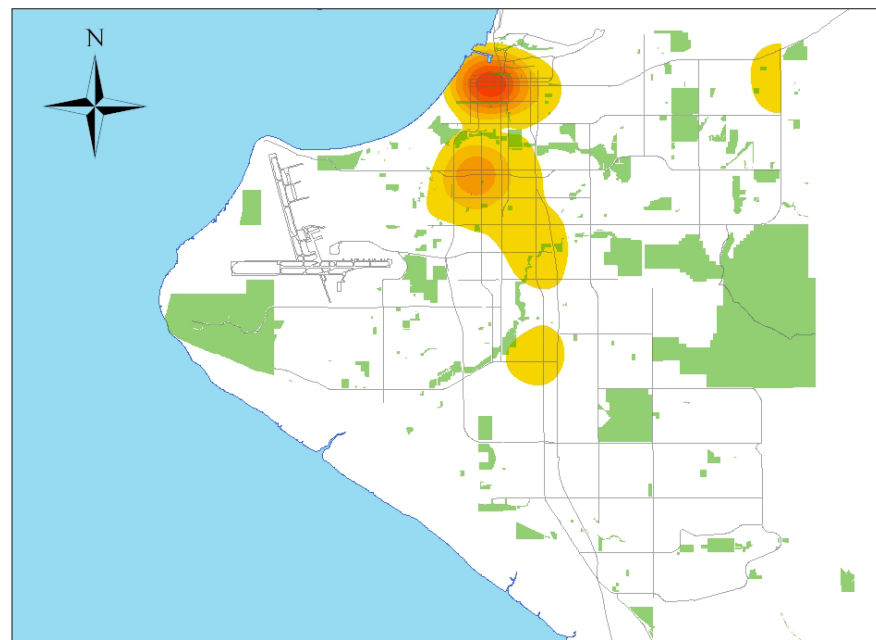
Sexual Assault and Bar Densities

SEXUAL ASSAULT

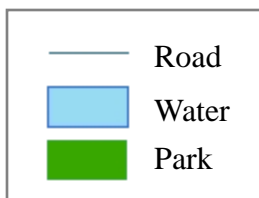


N=424

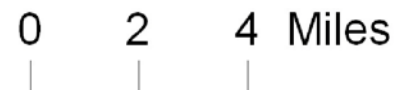
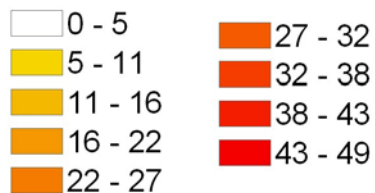
BAR



N=155



Density of Assault/Bar Locations



VICTIMS

	Age	Race	Alcohol
Downtown	35 to 44	Native	Yes
Fairview	25 to 34	Native	Yes
Mt. View	15 to 19	Native	Yes
Northeast	35 to 44	White	No
Spenard	25 to 34	White	Yes

SUSPECTS

	Age	Race	Alcohol
Downtown	25 to 34	Native	Yes
Fairview	45 to 54	White	Yes
Mt. View	25 to 44	Black	Yes
Northeast	25 to 34	White	Yes
Spenard	35 to 44	White	Yes

INCIDENT CHARACTERISTICS

	Weekday	Location	% Stranger
Downtown	Tuesday	Outdoors	48.1
Fairview	Wednesday	Residence	45.5
Mt. View	Friday	Residence	58.3
Northeast	Fri/Sat	Residence	17.6
Spenard	Fri	Hotel	50.0

CONCLUSIONS

The epidemiology of sexual assault varies by geography.

Effective interventions must take into account geographical variations in the epidemiology of sexual assault.